

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: NEO-RAY

Report Number: P243592

Luminaire Tested: **S124RDR-H575D927-X4F0-XX-UDD-A-W**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P243592
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1802-639-70)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S124RDR-H575D927-X4F0-XX-UDD-A-W
Description: DEFINE 4 REGRESSED DIRECT RECESSED WITH ASYMMETRIC FLUSH DIFFUSER.
HIGH PERFORMANCE LIGHT ENGINE
Light Source: (184) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1750.2 lumens
Efficiency: N/A
Efficacy: 101.8 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.23 / 1.39
Luminous Opening: Rectangular (W 3.88' x L: 0.31' x H: 0')
CIE Type: Direct

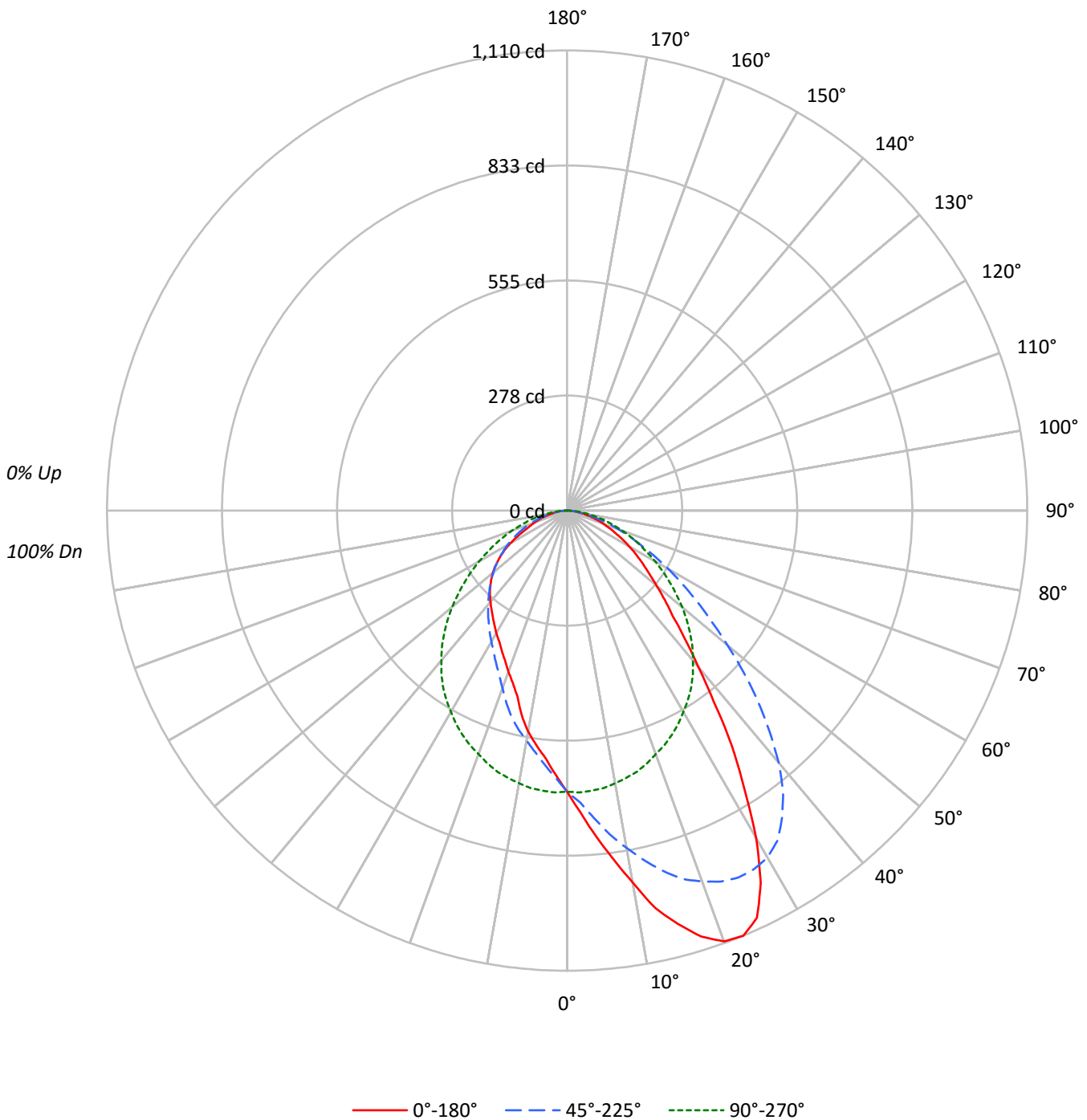
Input Watts (W): 17.2
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P243592

CATALOG NUMBER: S124RDR-H575D927-X4F0-XX-UDD-A-W

Luminous Intensity Polar Plot





TEST NUMBER: P243592

CATALOG NUMBER: S124RDR-H575D927-X4F0-XX-UDD-A-W

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| RF | 20 | | | | 20 | | | | 20 | | | | 20 | | | | 20 | |
| RC | 80 | | | | 70 | | | | 50 | | | | 30 | | | | 10 | 0 |
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 |
| RCR | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |
| 1 | 110 | 105 | 102 | 98 | 107 | 103 | 100 | 97 | 99 | 96 | 93 | 95 | 93 | 91 | 92 | 90 | 88 | 86 |
| 2 | 101 | 93 | 87 | 82 | 98 | 91 | 86 | 81 | 88 | 83 | 79 | 85 | 81 | 77 | 82 | 78 | 75 | 73 |
| 3 | 92 | 83 | 75 | 69 | 90 | 81 | 74 | 68 | 78 | 72 | 67 | 76 | 70 | 66 | 73 | 69 | 65 | 63 |
| 4 | 85 | 74 | 66 | 59 | 83 | 73 | 65 | 59 | 70 | 63 | 58 | 68 | 62 | 57 | 66 | 61 | 57 | 55 |
| 5 | 79 | 66 | 58 | 52 | 77 | 65 | 57 | 51 | 63 | 56 | 51 | 61 | 55 | 50 | 60 | 54 | 50 | 48 |
| 6 | 73 | 60 | 52 | 46 | 71 | 59 | 51 | 45 | 58 | 50 | 45 | 56 | 50 | 45 | 54 | 49 | 44 | 42 |
| 7 | 68 | 55 | 46 | 41 | 66 | 54 | 46 | 40 | 53 | 45 | 40 | 51 | 45 | 40 | 50 | 44 | 40 | 38 |
| 8 | 63 | 50 | 42 | 36 | 62 | 50 | 42 | 36 | 48 | 41 | 36 | 47 | 41 | 36 | 46 | 40 | 36 | 34 |
| 9 | 59 | 46 | 38 | 33 | 58 | 46 | 38 | 33 | 45 | 38 | 33 | 43 | 37 | 33 | 42 | 37 | 32 | 31 |
| 10 | 56 | 43 | 35 | 30 | 54 | 42 | 35 | 30 | 41 | 35 | 30 | 40 | 34 | 30 | 39 | 34 | 30 | 28 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|-------|------|------|
| 0° | 6028 | 6028 | 6028 |
| 5° | 7021 | 6053 | 5344 |
| 10° | 8223 | 6028 | 4886 |
| 15° | 9502 | 5997 | 4267 |
| 20° | 10461 | 5912 | 3911 |
| 25° | 10629 | 5858 | 3657 |
| 30° | 9357 | 5754 | 3507 |
| 35° | 7508 | 5657 | 3393 |
| 40° | 5711 | 5476 | 3340 |
| 45° | 4534 | 5275 | 3300 |
| 50° | 3893 | 5014 | 3243 |
| 55° | 3437 | 4689 | 3086 |
| 60° | 3079 | 4352 | 2827 |
| 65° | 2711 | 4022 | 2377 |
| 70° | 2417 | 3652 | 2142 |
| 75° | 2105 | 3318 | 1906 |
| 80° | 1787 | 2851 | 1756 |
| 85° | 1560 | 2448 | 1775 |



TEST NUMBER: P243592

CATALOG NUMBER: S124RDR-H575D927-X4F0-XX-UDD-A-W

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 65.8 | 3.8 |
| 10°-20° | 199.5 | 11.4 |
| 20°-30° | 311.4 | 17.8 |
| 30°-40° | 347.3 | 19.8 |
| 40°-50° | 312.2 | 17.8 |
| 50°-60° | 246.7 | 14.1 |
| 60°-70° | 163.8 | 9.4 |
| 70°-80° | 82.1 | 4.7 |
| 80°-90° | 21.4 | 1.2 |
| 90°-100° | 0.0 | 0.0 |
| 100°-110° | 0.0 | 0.0 |
| 110°-120° | 0.0 | 0.0 |
| 120°-130° | 0.0 | 0.0 |
| 130°-140° | 0.0 | 0.0 |
| 140°-150° | 0.0 | 0.0 |
| 150°-160° | 0.0 | 0.0 |
| 160°-170° | 0.0 | 0.0 |
| 170°-180° | 0.0 | 0.0 |
| 0°-30° | 576.8 | 33.0 |
| 0°-40° | 924.0 | 52.8 |
| 0°-60° | 1482.8 | 84.7 |
| 0°-90° | 1750.2 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1750.2 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0° | 678 | 678 | 678 | 678 | 678 | |
| 5° | 787 | 744 | 678 | 616 | 599 | 79 |
| 15° | 1032 | 901 | 652 | 516 | 464 | 293 |
| 25° | 1084 | 977 | 597 | 406 | 373 | 485 |
| 35° | 692 | 904 | 521 | 330 | 313 | 430 |
| 45° | 361 | 651 | 420 | 264 | 262 | 286 |
| 55° | 222 | 382 | 303 | 200 | 199 | 200 |
| 65° | 129 | 196 | 191 | 131 | 113 | 129 |
| 75° | 61 | 78 | 97 | 65 | 56 | 66 |
| 85° | 15 | 16 | 24 | 18 | 17 | 17 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P243592

CATALOG NUMBER: S124RDR-H575D927-X4F0-XX-UDD-A-W

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|
| 0° | 678.1 | 678.1 | 678.1 | 678.1 | 678.1 | 678.1 | 678.1 | 678.1 | 678.1 | 678.1 | 678.1 |
| 2.5° | 728.3 | 725.7 | 725.4 | 722.0 | 721.7 | 718.3 | 717.2 | 714.3 | 708.5 | 704.0 | 704.3 |
| 5° | 786.9 | 784.8 | 784.5 | 781.1 | 780.1 | 775.8 | 769.2 | 761.3 | 752.1 | 744.4 | 739.4 |
| 7.5° | 847.1 | 850.8 | 846.9 | 846.9 | 839.2 | 834.2 | 821.2 | 814.6 | 798.8 | 787.7 | 776.1 |
| 10° | 911.0 | 914.5 | 912.9 | 909.7 | 899.7 | 889.4 | 875.9 | 863.0 | 843.7 | 826.3 | 814.6 |
| 12.5° | 982.3 | 972.0 | 978.6 | 968.9 | 960.7 | 944.3 | 931.4 | 905.5 | 890.2 | 864.8 | 842.1 |
| 15° | 1032.5 | 1028.5 | 1028.3 | 1021.7 | 1012.7 | 994.7 | 980.7 | 953.8 | 927.7 | 901.0 | 875.4 |
| 17.5° | 1077.4 | 1077.9 | 1074.2 | 1063.7 | 1052.0 | 1034.6 | 1015.6 | 991.6 | 961.7 | 932.2 | 901.8 |
| 20° | 1105.9 | 1106.2 | 1103.5 | 1098.0 | 1085.3 | 1069.5 | 1049.9 | 1018.5 | 984.7 | 952.0 | 921.6 |
| 22.5° | 1110.1 | 1110.9 | 1110.1 | 1106.7 | 1098.0 | 1085.0 | 1067.1 | 1040.4 | 1006.4 | 968.9 | 932.7 |
| 25° | 1083.7 | 1086.4 | 1086.6 | 1091.4 | 1086.9 | 1081.9 | 1068.7 | 1046.2 | 1014.8 | 976.8 | 937.4 |
| 27.5° | 1011.4 | 1018.8 | 1025.6 | 1034.1 | 1041.7 | 1048.6 | 1049.7 | 1037.8 | 1010.8 | 975.5 | 938.0 |
| 30° | 911.6 | 920.3 | 934.0 | 943.0 | 966.7 | 981.8 | 1002.1 | 1006.6 | 993.7 | 966.5 | 930.3 |
| 32.5° | 795.4 | 804.6 | 809.9 | 839.5 | 873.5 | 898.1 | 931.9 | 952.0 | 957.0 | 944.0 | 914.5 |
| 35° | 691.9 | 693.4 | 697.4 | 730.9 | 764.7 | 802.0 | 844.0 | 878.8 | 902.6 | 903.9 | 889.4 |
| 37.5° | 580.9 | 582.8 | 598.4 | 624.0 | 653.3 | 694.2 | 742.6 | 792.2 | 835.8 | 855.8 | 851.6 |
| 40° | 492.2 | 491.7 | 508.3 | 530.5 | 559.0 | 601.5 | 651.5 | 705.6 | 752.1 | 794.0 | 804.1 |
| 42.5° | 420.4 | 422.2 | 436.5 | 449.4 | 476.9 | 506.7 | 560.1 | 616.3 | 676.0 | 722.0 | 752.6 |
| 45° | 360.7 | 365.5 | 375.2 | 387.4 | 408.0 | 435.4 | 479.0 | 535.0 | 596.0 | 651.2 | 687.9 |
| 47.5° | 319.5 | 320.8 | 325.9 | 340.9 | 354.6 | 376.8 | 414.1 | 461.6 | 515.7 | 577.5 | 625.8 |
| 50° | 281.5 | 284.7 | 286.5 | 295.5 | 309.0 | 330.1 | 358.9 | 394.3 | 447.9 | 504.6 | 565.1 |
| 52.5° | 248.8 | 250.6 | 254.0 | 262.2 | 272.8 | 287.6 | 310.3 | 341.4 | 386.1 | 438.6 | 495.7 |
| 55° | 221.8 | 222.1 | 225.5 | 231.3 | 239.5 | 250.9 | 272.5 | 295.0 | 334.6 | 382.4 | 434.1 |
| 57.5° | 197.5 | 195.9 | 199.1 | 202.5 | 210.5 | 220.2 | 234.2 | 257.2 | 288.1 | 328.8 | 375.5 |
| 60° | 173.2 | 174.5 | 174.3 | 178.2 | 182.5 | 192.2 | 204.1 | 219.2 | 244.5 | 281.8 | 321.4 |
| 62.5° | 150.5 | 150.3 | 152.9 | 155.3 | 158.2 | 166.1 | 175.9 | 188.3 | 208.1 | 235.5 | 273.8 |
| 65° | 128.9 | 129.4 | 131.5 | 133.4 | 136.5 | 141.5 | 148.9 | 159.0 | 174.8 | 195.9 | 228.2 |
| 67.5° | 109.3 | 111.2 | 112.2 | 112.8 | 115.7 | 119.4 | 125.7 | 133.9 | 144.7 | 161.6 | 188.5 |
| 70° | 93.0 | 93.5 | 94.0 | 95.9 | 97.2 | 99.3 | 104.0 | 108.5 | 118.3 | 130.7 | 150.3 |
| 72.5° | 77.6 | 77.1 | 78.7 | 79.2 | 79.7 | 81.9 | 84.8 | 87.1 | 93.5 | 104.0 | 116.2 |
| 75° | 61.3 | 61.5 | 61.8 | 62.6 | 64.7 | 65.0 | 66.3 | 68.9 | 73.4 | 77.6 | 85.8 |
| 77.5° | 45.9 | 46.7 | 46.5 | 47.3 | 48.1 | 48.9 | 49.4 | 51.8 | 54.9 | 58.4 | 62.3 |
| 80° | 34.9 | 34.9 | 34.9 | 35.4 | 34.9 | 36.7 | 36.7 | 37.5 | 38.3 | 39.9 | 42.8 |
| 82.5° | 23.8 | 24.3 | 24.6 | 24.8 | 25.1 | 25.1 | 25.4 | 25.9 | 26.9 | 27.5 | 28.3 |
| 85° | 15.3 | 14.8 | 15.1 | 15.1 | 15.1 | 15.1 | 15.6 | 16.1 | 16.1 | 16.4 | 17.2 |
| 87.5° | 6.9 | 6.9 | 6.9 | 6.9 | 6.6 | 6.9 | 7.1 | 7.1 | 7.4 | 7.4 | 7.9 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P243592

CATALOG NUMBER: S124RDR-H575D927-X4F0-XX-UDD-A-W

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 678.1 | 678.1 | 678.1 | 678.1 | 678.1 | 678.1 | 678.1 | 678.1 | 678.1 | 678.1 | 678.1 |
| 2.5° | 702.7 | 701.9 | 697.9 | 693.7 | 689.7 | 685.8 | 684.5 | 680.5 | 675.7 | 671.5 | 666.8 |
| 5° | 734.1 | 727.8 | 719.1 | 710.1 | 700.8 | 692.4 | 685.8 | 678.4 | 669.9 | 659.9 | 652.0 |
| 7.5° | 765.8 | 754.2 | 739.9 | 726.7 | 710.9 | 698.2 | 685.5 | 675.0 | 662.8 | 648.5 | 637.7 |
| 10° | 796.7 | 777.4 | 760.0 | 739.1 | 719.1 | 701.6 | 685.5 | 667.8 | 651.7 | 636.4 | 621.3 |
| 12.5° | 821.2 | 802.0 | 776.9 | 751.3 | 725.4 | 702.7 | 681.0 | 660.2 | 640.1 | 621.6 | 605.0 |
| 15° | 849.2 | 821.5 | 790.6 | 762.4 | 727.0 | 699.0 | 674.2 | 651.7 | 628.7 | 606.3 | 588.1 |
| 17.5° | 869.8 | 837.1 | 798.8 | 766.3 | 732.3 | 697.4 | 667.6 | 639.3 | 612.9 | 589.4 | 570.6 |
| 20° | 885.7 | 846.9 | 808.6 | 767.4 | 726.7 | 691.1 | 657.5 | 625.0 | 598.4 | 572.8 | 553.0 |
| 22.5° | 892.5 | 851.6 | 809.1 | 764.5 | 721.2 | 680.8 | 645.9 | 612.4 | 582.3 | 555.9 | 532.9 |
| 25° | 895.4 | 850.6 | 806.5 | 755.8 | 711.9 | 670.7 | 631.9 | 597.3 | 566.4 | 536.6 | 513.9 |
| 27.5° | 893.1 | 845.0 | 794.3 | 746.5 | 696.9 | 656.5 | 615.3 | 580.2 | 547.9 | 519.2 | 493.8 |
| 30° | 886.7 | 832.3 | 781.9 | 728.3 | 680.5 | 638.0 | 597.8 | 560.6 | 528.1 | 498.8 | 473.7 |
| 32.5° | 870.4 | 818.1 | 760.8 | 708.5 | 657.0 | 615.0 | 578.6 | 541.9 | 508.9 | 478.2 | 453.9 |
| 35° | 850.0 | 798.8 | 738.9 | 684.2 | 633.2 | 590.7 | 554.0 | 521.3 | 488.8 | 456.3 | 431.5 |
| 37.5° | 824.4 | 772.4 | 714.6 | 655.7 | 605.8 | 564.6 | 531.0 | 498.0 | 465.8 | 436.0 | 408.2 |
| 40° | 789.8 | 742.3 | 684.2 | 625.0 | 574.9 | 535.3 | 502.3 | 471.9 | 443.4 | 414.1 | 384.2 |
| 42.5° | 746.8 | 710.6 | 650.7 | 592.3 | 543.2 | 503.8 | 474.5 | 447.3 | 419.9 | 389.8 | 362.8 |
| 45° | 700.8 | 669.9 | 615.5 | 556.7 | 509.9 | 471.6 | 443.6 | 419.6 | 393.7 | 367.1 | 338.8 |
| 47.5° | 649.1 | 626.1 | 579.1 | 520.7 | 471.6 | 438.9 | 413.0 | 391.1 | 367.6 | 343.8 | 316.4 |
| 50° | 590.7 | 576.7 | 536.6 | 483.5 | 436.8 | 403.5 | 382.1 | 362.6 | 342.5 | 318.7 | 295.2 |
| 52.5° | 532.4 | 529.7 | 492.2 | 445.5 | 401.4 | 370.5 | 349.6 | 331.7 | 315.3 | 292.8 | 273.0 |
| 55° | 471.1 | 479.0 | 447.9 | 404.8 | 365.5 | 335.6 | 317.1 | 302.6 | 288.4 | 269.3 | 250.3 |
| 57.5° | 416.7 | 425.7 | 404.3 | 364.7 | 328.0 | 302.6 | 286.8 | 273.6 | 261.2 | 243.7 | 231.1 |
| 60° | 356.5 | 372.9 | 361.5 | 325.3 | 292.8 | 270.1 | 255.4 | 244.8 | 234.5 | 219.4 | 208.3 |
| 62.5° | 309.0 | 320.3 | 313.7 | 286.8 | 258.0 | 239.5 | 226.3 | 216.5 | 208.3 | 196.7 | 185.9 |
| 65° | 258.0 | 272.3 | 268.8 | 251.1 | 225.8 | 208.9 | 198.8 | 191.2 | 182.7 | 173.5 | 164.5 |
| 67.5° | 212.0 | 226.8 | 226.0 | 213.9 | 195.1 | 181.1 | 171.6 | 166.1 | 159.2 | 150.3 | 144.7 |
| 70° | 170.6 | 184.3 | 184.8 | 178.8 | 165.6 | 152.4 | 145.5 | 140.5 | 135.2 | 128.6 | 124.6 |
| 72.5° | 132.6 | 145.0 | 147.1 | 144.2 | 135.7 | 127.0 | 120.9 | 117.5 | 113.0 | 107.5 | 104.0 |
| 75° | 99.0 | 108.0 | 113.0 | 111.7 | 108.3 | 102.5 | 99.0 | 96.6 | 92.2 | 88.2 | 85.3 |
| 77.5° | 70.5 | 77.6 | 82.7 | 84.8 | 83.2 | 80.8 | 77.6 | 75.8 | 71.0 | 69.2 | 67.6 |
| 80° | 47.3 | 53.6 | 58.1 | 59.4 | 60.2 | 59.7 | 56.8 | 55.7 | 53.3 | 52.5 | 51.0 |
| 82.5° | 29.0 | 32.5 | 35.6 | 39.1 | 40.7 | 40.7 | 39.1 | 39.3 | 37.2 | 36.2 | 35.6 |
| 85° | 17.7 | 18.5 | 19.0 | 21.7 | 23.8 | 24.6 | 23.8 | 24.0 | 23.2 | 22.4 | 21.7 |
| 87.5° | 8.2 | 8.2 | 8.5 | 9.0 | 9.5 | 11.1 | 11.6 | 12.4 | 11.4 | 11.4 | 9.5 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P243592

CATALOG NUMBER: S124RDR-H575D927-X4F0-XX-UDD-A-W

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 678.1 | 678.1 | 678.1 | 678.1 | 678.1 | 678.1 | 678.1 | 678.1 | 678.1 | 678.1 | 678.1 |
| 2.5° | 663.9 | 660.4 | 657.8 | 653.6 | 650.1 | 644.6 | 642.7 | 642.7 | 643.8 | 642.5 | 643.8 |
| 5° | 646.4 | 640.1 | 633.2 | 627.2 | 620.6 | 615.8 | 611.0 | 610.0 | 609.5 | 606.3 | 606.6 |
| 7.5° | 629.0 | 620.6 | 611.8 | 603.9 | 595.7 | 588.3 | 583.3 | 581.2 | 579.4 | 577.2 | 574.9 |
| 10° | 610.3 | 600.5 | 590.2 | 581.2 | 573.3 | 563.3 | 558.2 | 556.7 | 551.4 | 550.3 | 546.6 |
| 12.5° | 590.5 | 580.4 | 570.1 | 558.5 | 550.8 | 541.1 | 533.7 | 530.2 | 525.2 | 521.5 | 516.0 |
| 15° | 574.9 | 562.2 | 548.5 | 537.1 | 527.1 | 516.2 | 506.2 | 499.6 | 493.0 | 482.7 | 477.7 |
| 17.5° | 555.6 | 541.1 | 529.2 | 517.0 | 502.5 | 486.7 | 474.8 | 465.0 | 457.9 | 449.4 | 444.4 |
| 20° | 534.7 | 521.3 | 506.5 | 489.3 | 474.0 | 456.0 | 445.2 | 437.0 | 431.5 | 426.5 | 423.8 |
| 22.5° | 516.2 | 500.7 | 480.3 | 464.0 | 442.6 | 428.3 | 419.6 | 414.3 | 409.0 | 403.8 | 401.1 |
| 25° | 496.2 | 478.0 | 453.1 | 433.1 | 417.0 | 405.9 | 397.4 | 392.4 | 386.9 | 383.7 | 379.7 |
| 27.5° | 476.4 | 452.9 | 428.1 | 409.8 | 397.2 | 384.2 | 377.1 | 373.1 | 368.9 | 364.4 | 361.2 |
| 30° | 452.3 | 425.7 | 405.1 | 388.4 | 375.8 | 364.9 | 359.7 | 353.8 | 350.2 | 347.5 | 345.7 |
| 32.5° | 427.3 | 401.6 | 382.9 | 368.6 | 356.2 | 348.0 | 341.4 | 337.7 | 334.6 | 331.7 | 329.6 |
| 35° | 403.8 | 378.9 | 363.1 | 349.4 | 339.1 | 329.8 | 324.8 | 321.4 | 318.7 | 316.4 | 315.3 |
| 37.5° | 380.5 | 359.4 | 342.2 | 331.4 | 320.6 | 313.2 | 308.4 | 305.3 | 303.7 | 301.3 | 301.6 |
| 40° | 357.5 | 338.5 | 324.8 | 312.4 | 302.4 | 296.0 | 292.3 | 291.0 | 288.6 | 287.8 | 288.6 |
| 42.5° | 336.9 | 319.5 | 306.3 | 294.7 | 286.0 | 279.9 | 277.0 | 275.2 | 274.4 | 274.1 | 274.4 |
| 45° | 316.9 | 300.5 | 287.8 | 278.3 | 269.3 | 263.8 | 261.4 | 260.1 | 259.3 | 260.6 | 260.9 |
| 47.5° | 296.8 | 282.0 | 270.7 | 259.6 | 252.2 | 248.2 | 245.8 | 244.8 | 245.6 | 246.1 | 248.0 |
| 50° | 277.0 | 263.3 | 251.4 | 241.6 | 235.8 | 232.1 | 231.3 | 229.5 | 230.8 | 231.6 | 232.9 |
| 52.5° | 256.9 | 244.5 | 234.0 | 224.7 | 218.6 | 216.3 | 214.4 | 213.6 | 215.5 | 215.5 | 216.8 |
| 55° | 236.6 | 225.8 | 216.0 | 207.6 | 202.8 | 199.9 | 198.6 | 197.5 | 198.6 | 198.8 | 198.6 |
| 57.5° | 217.6 | 207.3 | 197.0 | 189.9 | 185.9 | 182.7 | 181.4 | 180.9 | 180.6 | 181.7 | 181.4 |
| 60° | 197.5 | 187.8 | 179.6 | 172.2 | 168.2 | 166.4 | 163.5 | 164.0 | 164.0 | 164.0 | 161.3 |
| 62.5° | 177.5 | 167.7 | 160.6 | 155.5 | 150.8 | 147.6 | 147.1 | 146.3 | 144.7 | 144.4 | 141.0 |
| 65° | 156.9 | 149.5 | 143.4 | 138.4 | 133.6 | 131.0 | 130.2 | 127.8 | 126.0 | 122.5 | 120.2 |
| 67.5° | 137.8 | 132.6 | 125.4 | 121.2 | 117.2 | 114.1 | 111.2 | 109.3 | 105.6 | 102.2 | 100.1 |
| 70° | 118.8 | 113.3 | 108.5 | 104.0 | 100.1 | 97.2 | 93.7 | 90.3 | 87.9 | 85.8 | 84.2 |
| 72.5° | 99.8 | 95.1 | 91.1 | 86.9 | 82.7 | 79.7 | 77.1 | 74.5 | 73.4 | 72.4 | 71.6 |
| 75° | 82.1 | 77.6 | 73.9 | 70.5 | 68.1 | 64.7 | 63.4 | 62.3 | 61.3 | 59.9 | 58.4 |
| 77.5° | 65.0 | 61.5 | 58.6 | 55.7 | 53.6 | 51.8 | 50.7 | 47.5 | 44.9 | 44.4 | 43.8 |
| 80° | 48.3 | 45.7 | 43.8 | 41.7 | 39.3 | 36.7 | 35.9 | 34.9 | 34.3 | 34.3 | 34.6 |
| 82.5° | 33.8 | 32.2 | 30.1 | 28.3 | 27.5 | 26.4 | 26.4 | 26.1 | 25.9 | 26.1 | 26.1 |
| 85° | 20.6 | 18.5 | 18.0 | 17.7 | 18.0 | 18.0 | 18.0 | 18.0 | 17.7 | 18.0 | 17.4 |
| 87.5° | 9.0 | 9.8 | 10.0 | 9.2 | 9.5 | 9.0 | 9.2 | 9.2 | 9.2 | 9.5 | 9.2 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P243592

CATALOG NUMBER: S124RDR-H575D927-X4F0-XX-UDD-A-W

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° |
|-------|-------|-------|-------|-------|
| 0° | 678.1 | 678.1 | 678.1 | 678.1 |
| 2.5° | 642.2 | 642.2 | 639.6 | 637.5 |
| 5° | 606.0 | 602.6 | 602.1 | 598.9 |
| 7.5° | 572.2 | 571.7 | 570.4 | 570.4 |
| 10° | 545.3 | 543.4 | 541.6 | 541.3 |
| 12.5° | 507.3 | 509.9 | 506.7 | 506.0 |
| 15° | 474.0 | 471.9 | 469.2 | 463.7 |
| 17.5° | 443.1 | 439.1 | 438.1 | 435.7 |
| 20° | 418.8 | 415.9 | 414.8 | 413.5 |
| 22.5° | 395.8 | 395.3 | 392.1 | 391.3 |
| 25° | 378.9 | 376.3 | 374.2 | 372.9 |
| 27.5° | 360.5 | 358.6 | 357.5 | 355.4 |
| 30° | 343.6 | 343.0 | 341.7 | 341.7 |
| 32.5° | 328.2 | 326.7 | 326.7 | 326.4 |
| 35° | 314.2 | 314.8 | 313.2 | 312.7 |
| 37.5° | 301.0 | 300.2 | 300.5 | 300.0 |
| 40° | 288.1 | 287.6 | 287.6 | 287.8 |
| 42.5° | 274.9 | 275.2 | 275.7 | 275.7 |
| 45° | 261.7 | 262.0 | 262.5 | 262.5 |
| 47.5° | 249.3 | 248.8 | 249.3 | 248.8 |
| 50° | 233.4 | 235.0 | 234.8 | 234.5 |
| 52.5° | 217.3 | 216.8 | 217.9 | 217.6 |
| 55° | 199.9 | 199.1 | 200.2 | 199.1 |
| 57.5° | 180.4 | 180.6 | 180.6 | 180.1 |
| 60° | 160.8 | 160.0 | 159.0 | 159.0 |
| 62.5° | 138.1 | 135.7 | 134.1 | 135.2 |
| 65° | 116.2 | 114.3 | 113.8 | 113.0 |
| 67.5° | 98.8 | 96.6 | 95.9 | 95.6 |
| 70° | 83.7 | 82.7 | 82.4 | 82.4 |
| 72.5° | 71.0 | 71.0 | 70.2 | 69.7 |
| 75° | 57.8 | 56.8 | 55.5 | 55.5 |
| 77.5° | 43.3 | 43.0 | 42.8 | 42.8 |
| 80° | 33.8 | 33.8 | 34.1 | 34.3 |
| 82.5° | 25.4 | 25.6 | 25.9 | 25.9 |
| 85° | 17.2 | 17.2 | 17.4 | 17.4 |
| 87.5° | 9.2 | 9.2 | 9.2 | 9.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)